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Jun 10, 1993

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TITLE: IMPROVEMENTS RELATING TO FRICTION WELDING

PUBN-DATE: June 10, 1993

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APPL-NO: GB09202203

APPL-DATE: November 27, 1992

PRIORITY-DATA: GB09125978A (December 6, 1991)

US-CL-CURRENT: 228/113

INT-CL (IPC): B23K 20/12; B29C 65/06

EUR-CL (EPC): B23K020/12; B29C065/06

ABSTRACT:

CHG DATE=19990617 STATUS=O>A method of joining workpieces (1A, 1B) defining a joint region (2) comprises causing a probe (3) of material harder than the workpiece material to enter the joint region (2) and opposed portions of the workpieces (1A, 1B) on either side of the joint region while causing relative cyclic movement between the probe and the workpieces. Frictional heat is generated to cause the opposed portions to take up the plasticised condition. The probe (3) is removed and the plasticised portions allowed to solidify and join the workpieces together.

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